

IN THE CLAIMS:

22 Sub B1 (Amended) An agonist antibody which specifically binds to the extracellular domain of WSX receptor comprising the extracellular domain sequence within SEQ ID NO:2.

23 Sub E1 3. (Amended) The antibody of claim 2 which specifically binds to and activates human WSX receptor variant 13.2 (SEQ ID NO:2).

24 Sub E1 10. (Amended) The antibody of claim 1 which has biological characteristics of antibody 2D7 (ATCC Accession Number HB-12249).

25 13. (Amended) The antibody of claim 1 which has the biological characteristics of antibody 1G4 (ATCC Accession Number HB-12243).

26 16. (Amended) The antibody of claim 1 which has the biological characteristics of antibody 1E11 (ATCC Accession Number HB-12248).

27 19. (Amended) The antibody of claim 1 which has the biological characteristics of antibody 1C11 (ATCC Accession Number HB-12250).

Please cancel claims 34-39, without prejudice to filing continuing application(s) directed thereto.

Please add the following claims:

--40. The antibody of claim 1 which mimics a biological property of OB protein.

28 41. The antibody of claim 1 which stimulates proliferation or differentiation of a cell which expresses the WSX receptor.

42. The antibody of claim 1 which decreases body weight or fat-depot weight or food intake in an obese mammal.--